

FIG. 1

2/35

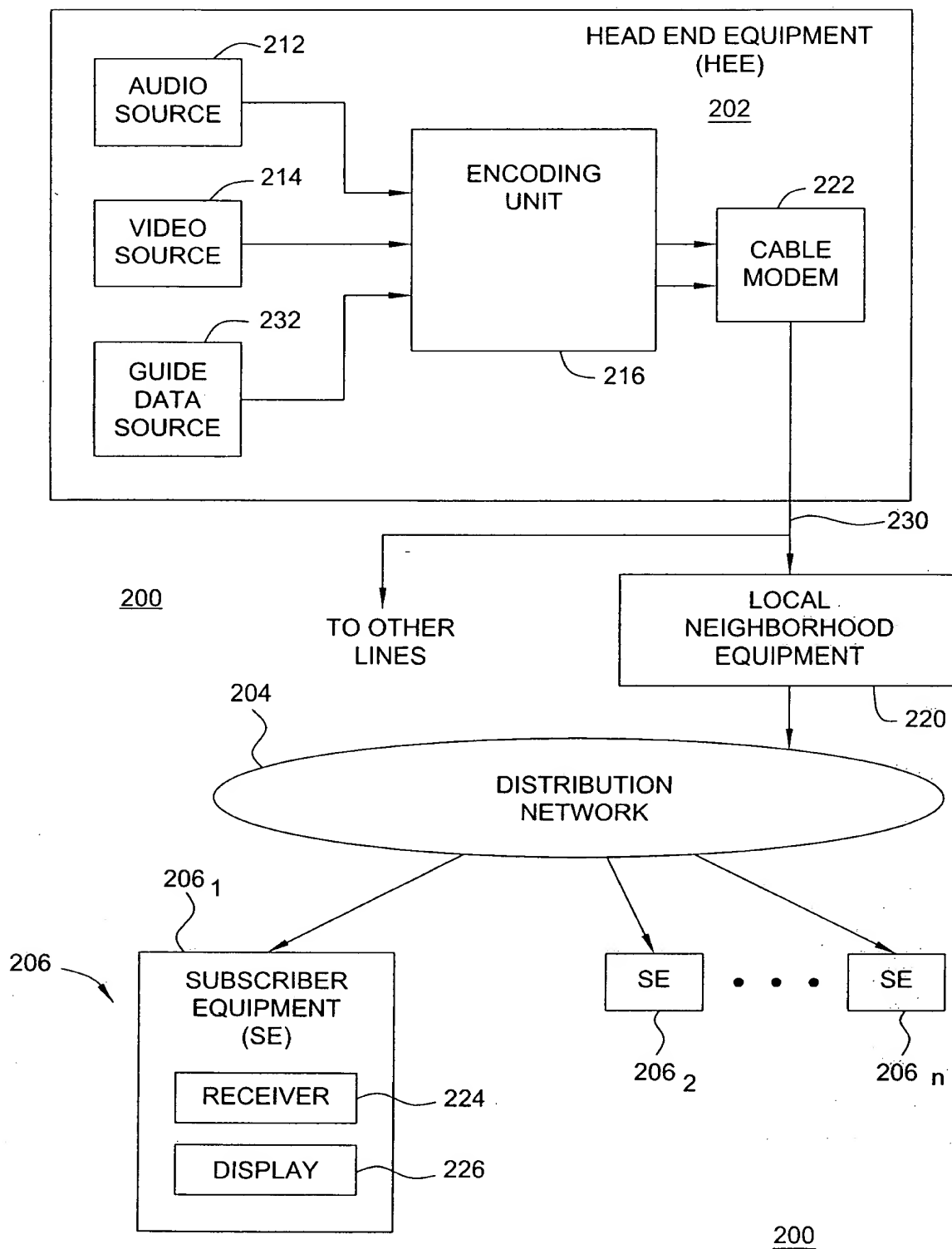


FIG. 2

3/35

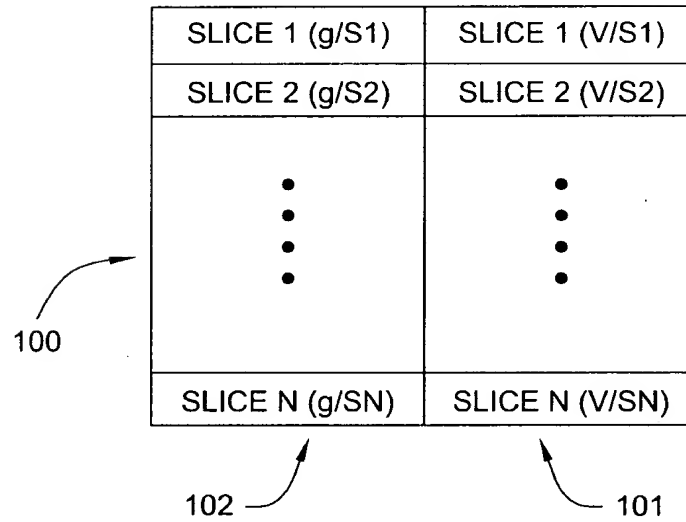
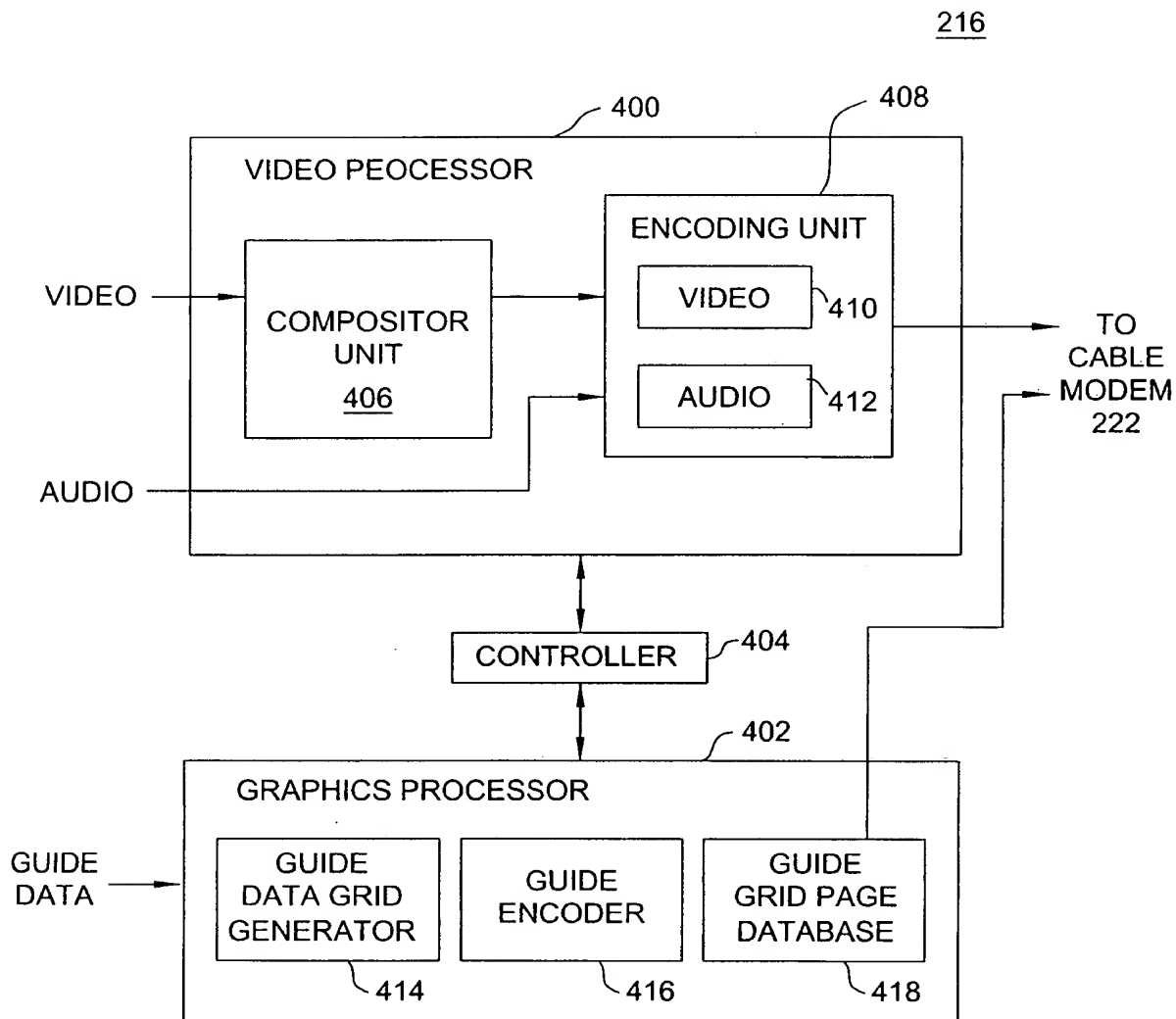


FIG. 3

4/35



400

FIG. 4

5/35

228

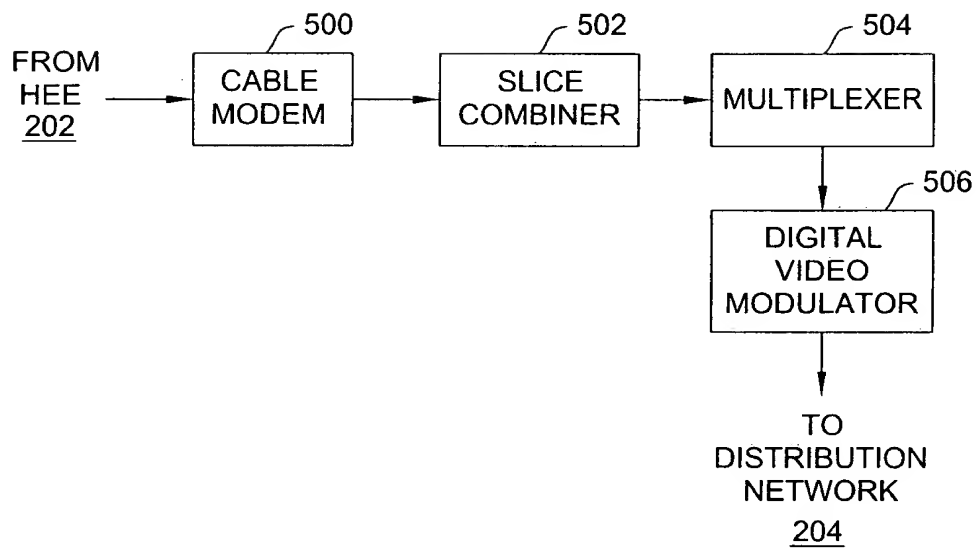


FIG. 5

6/35

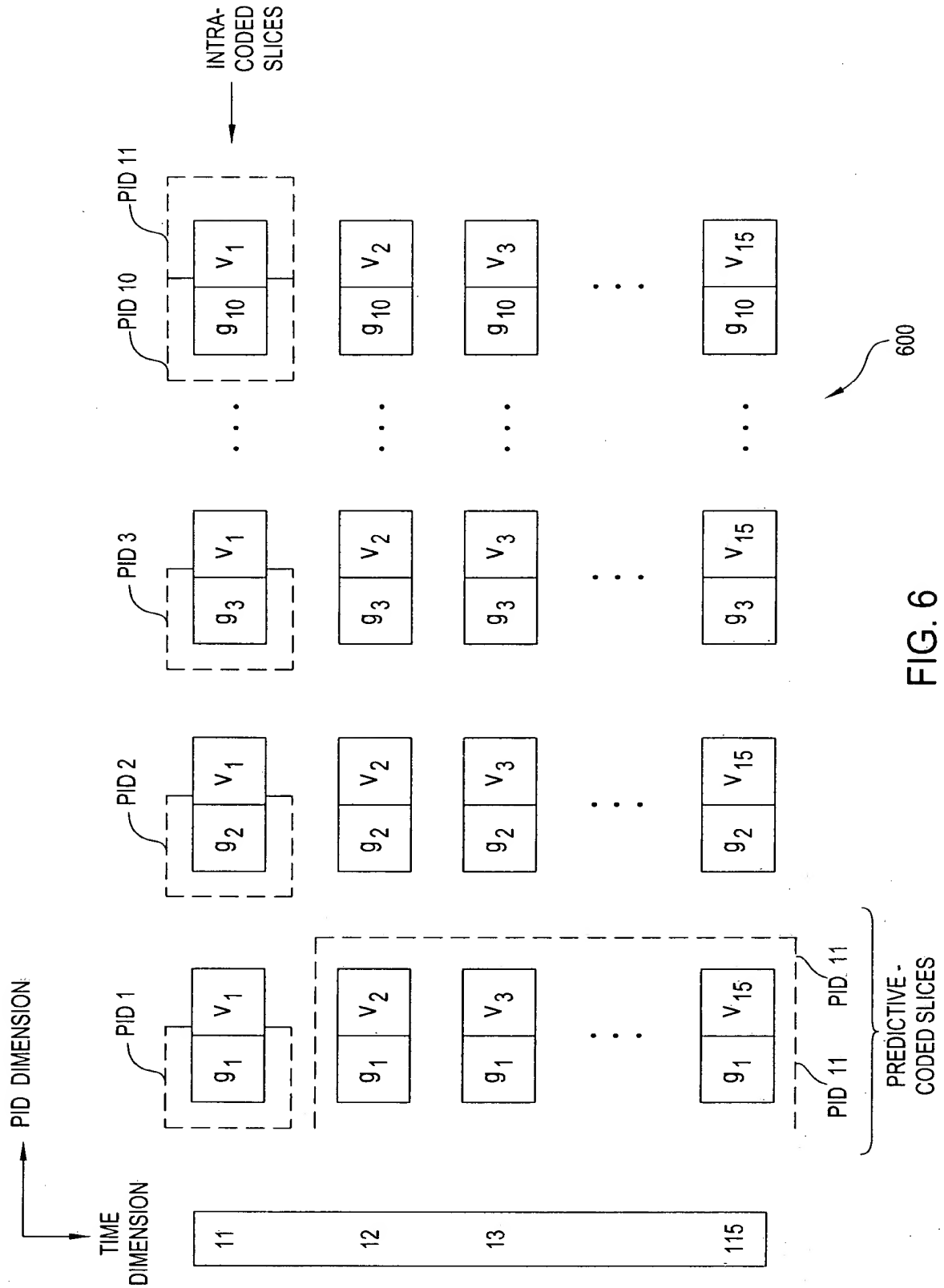


FIG. 6

7/35

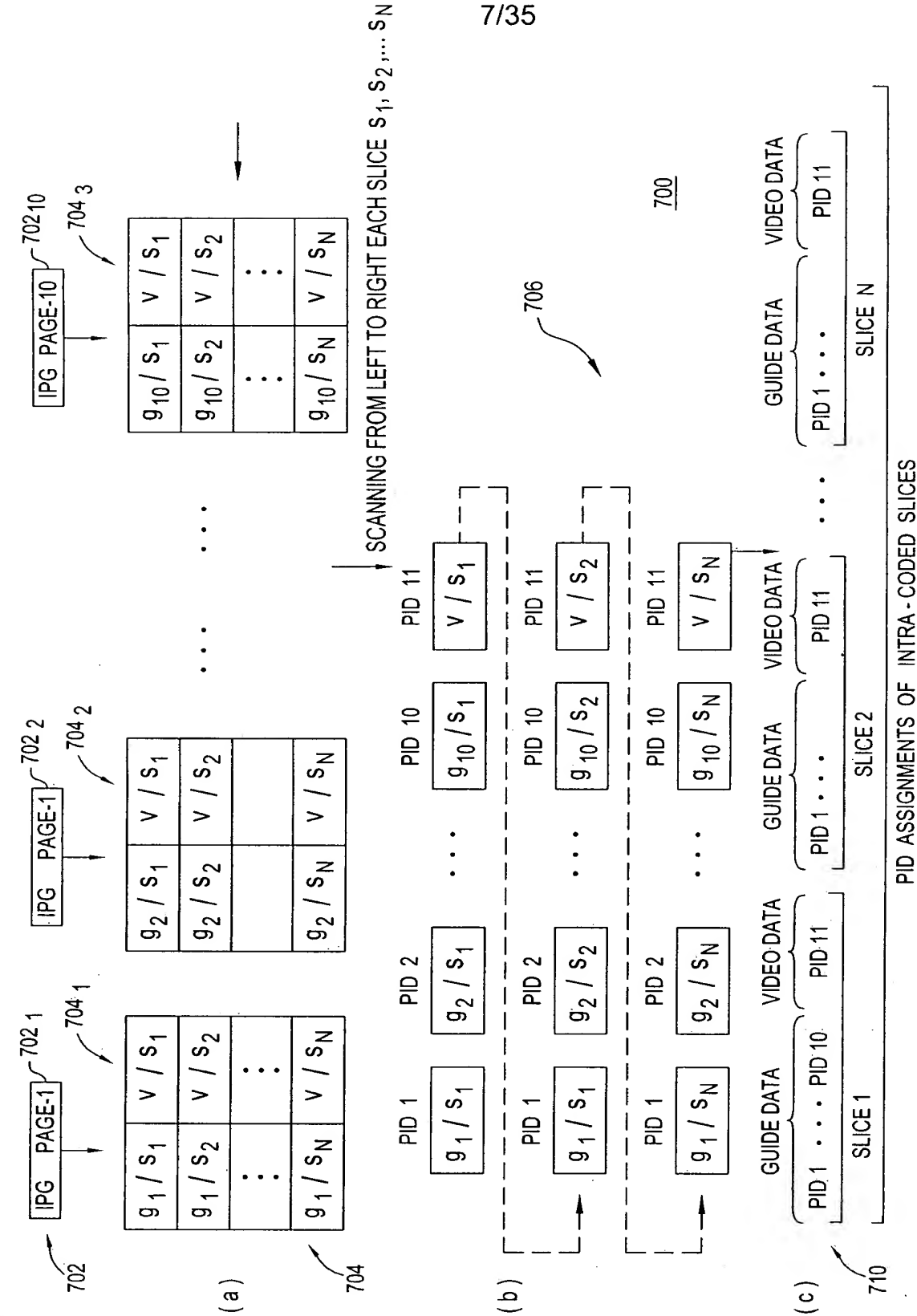


FIG. 7

8/35

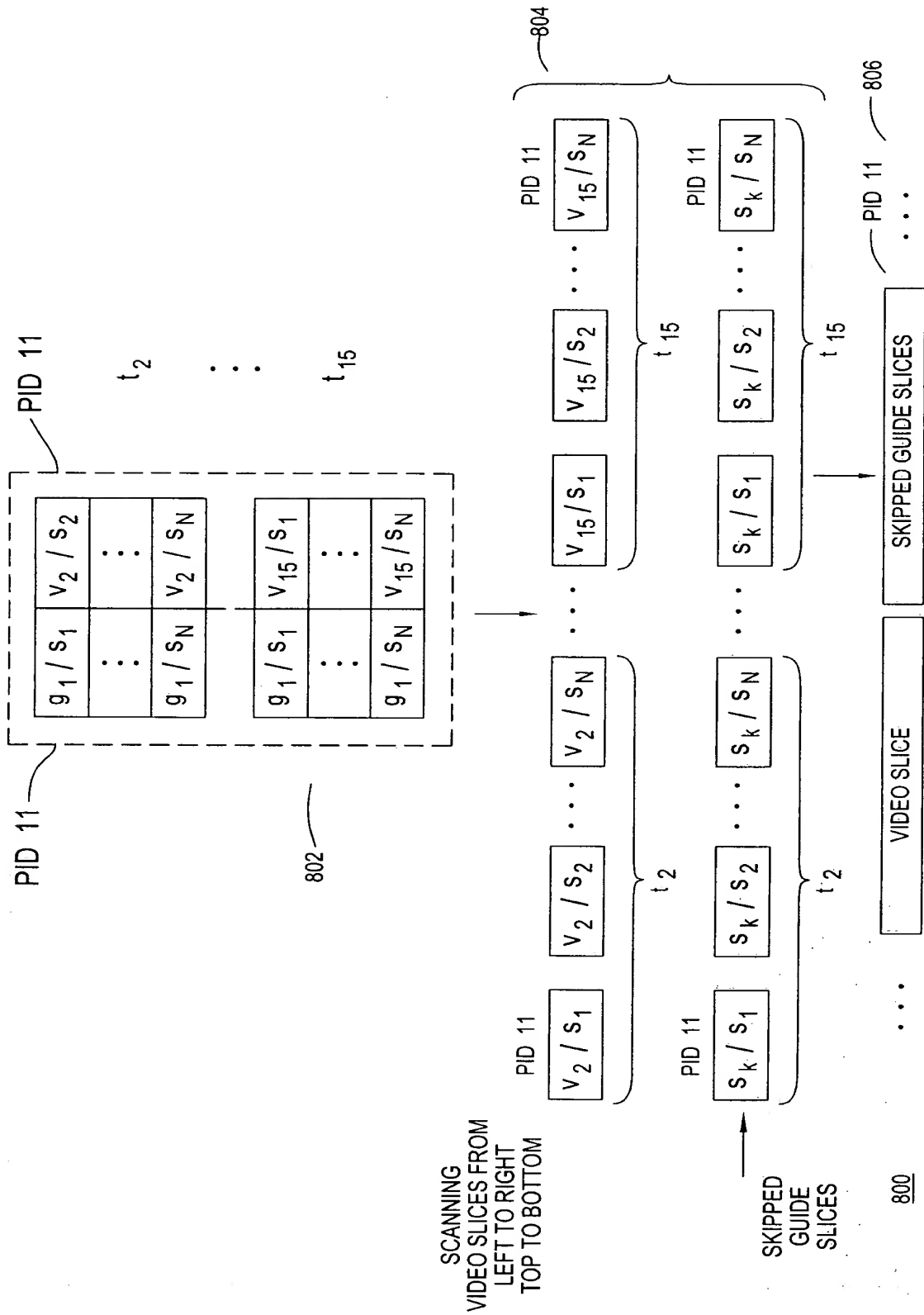
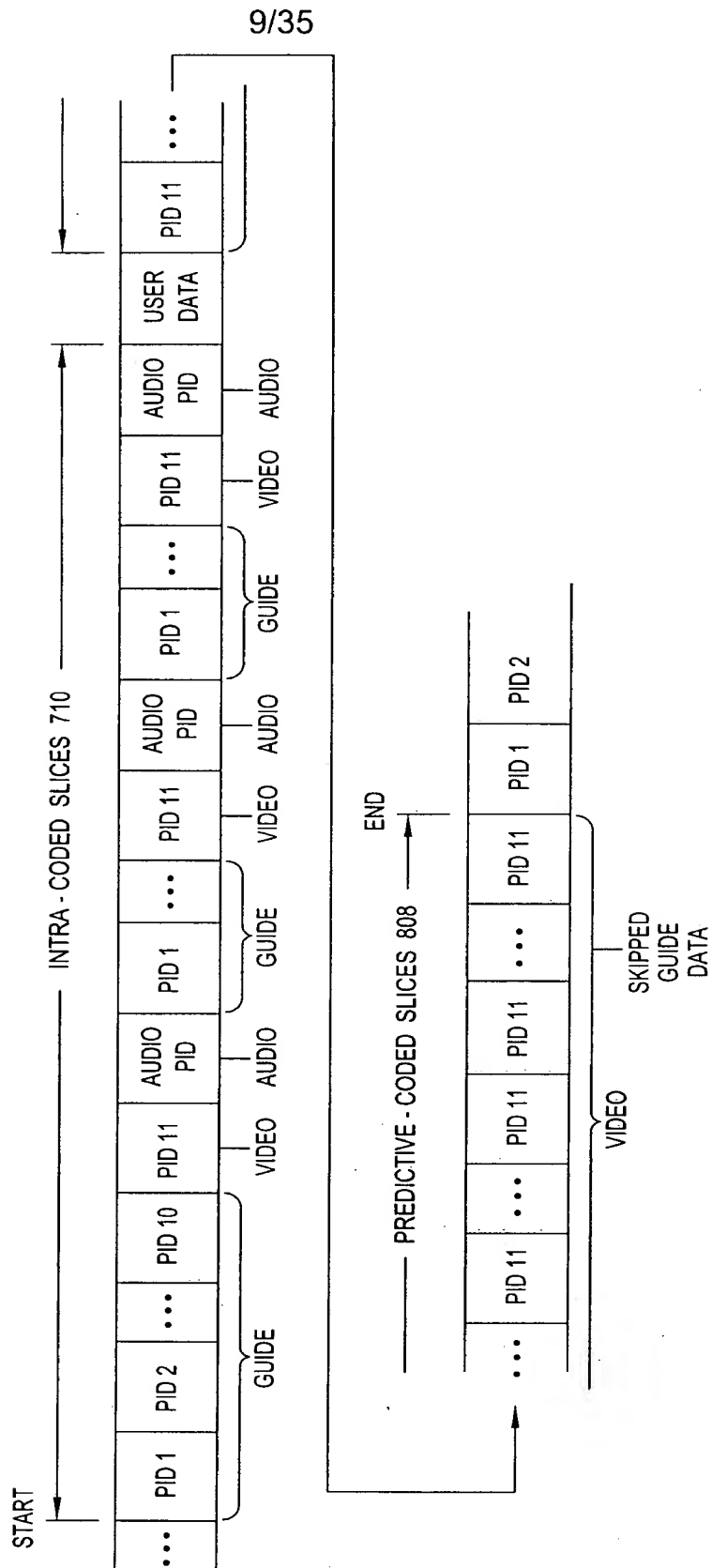


FIG. 8



9
G
F

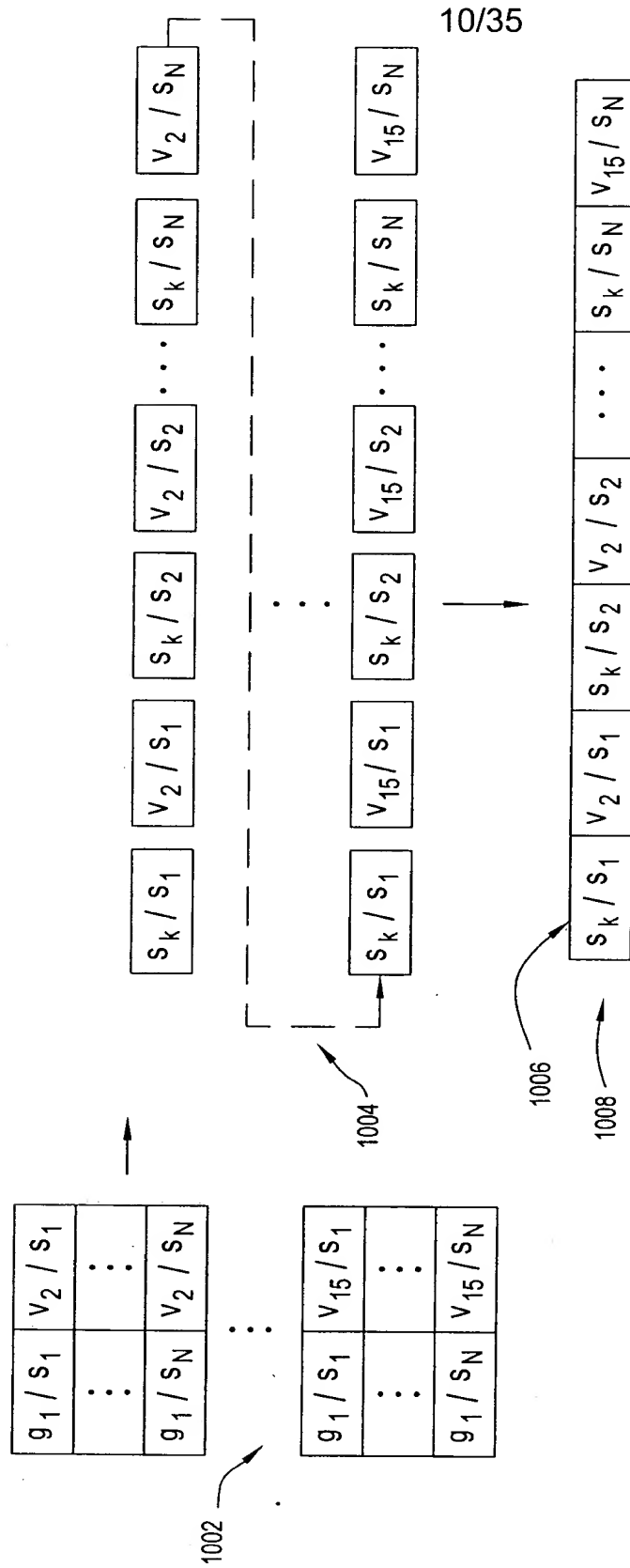


FIG. 10

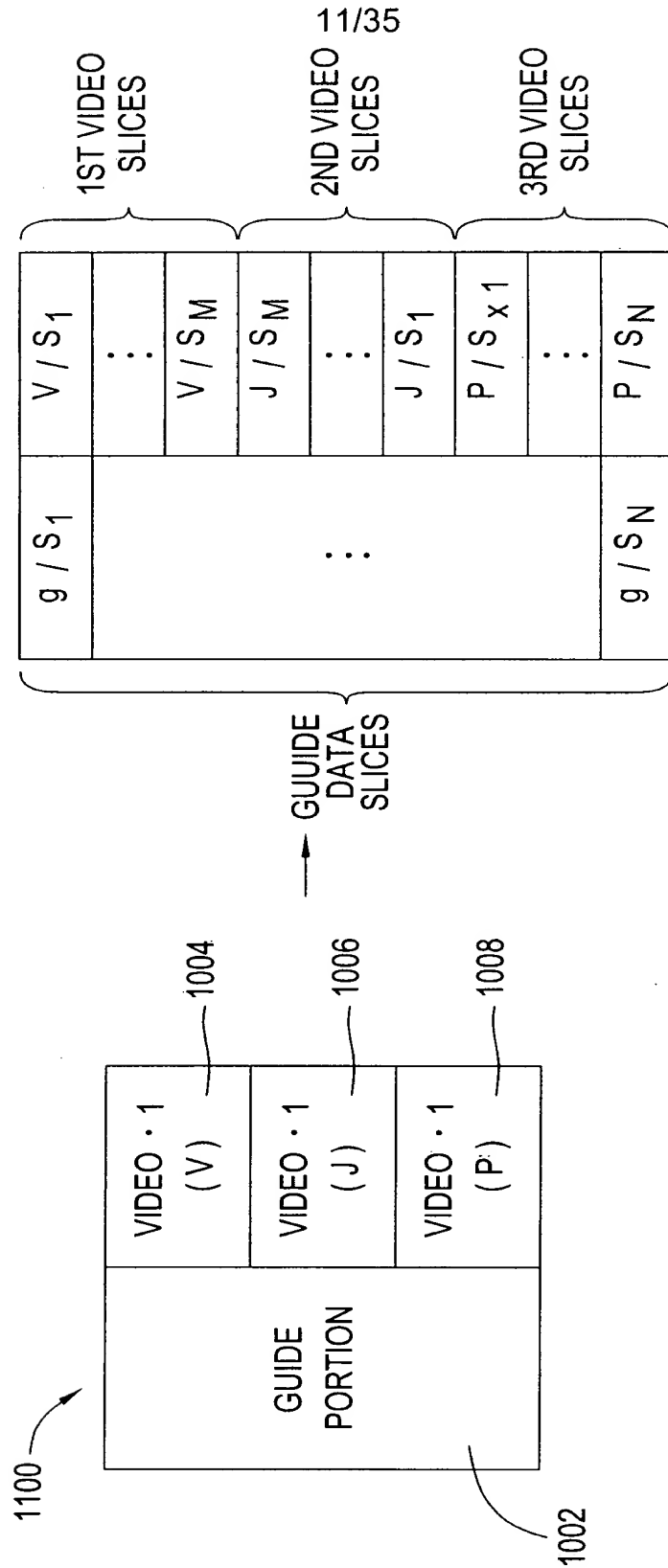


FIG. 11A

FIG. 11B

12/35

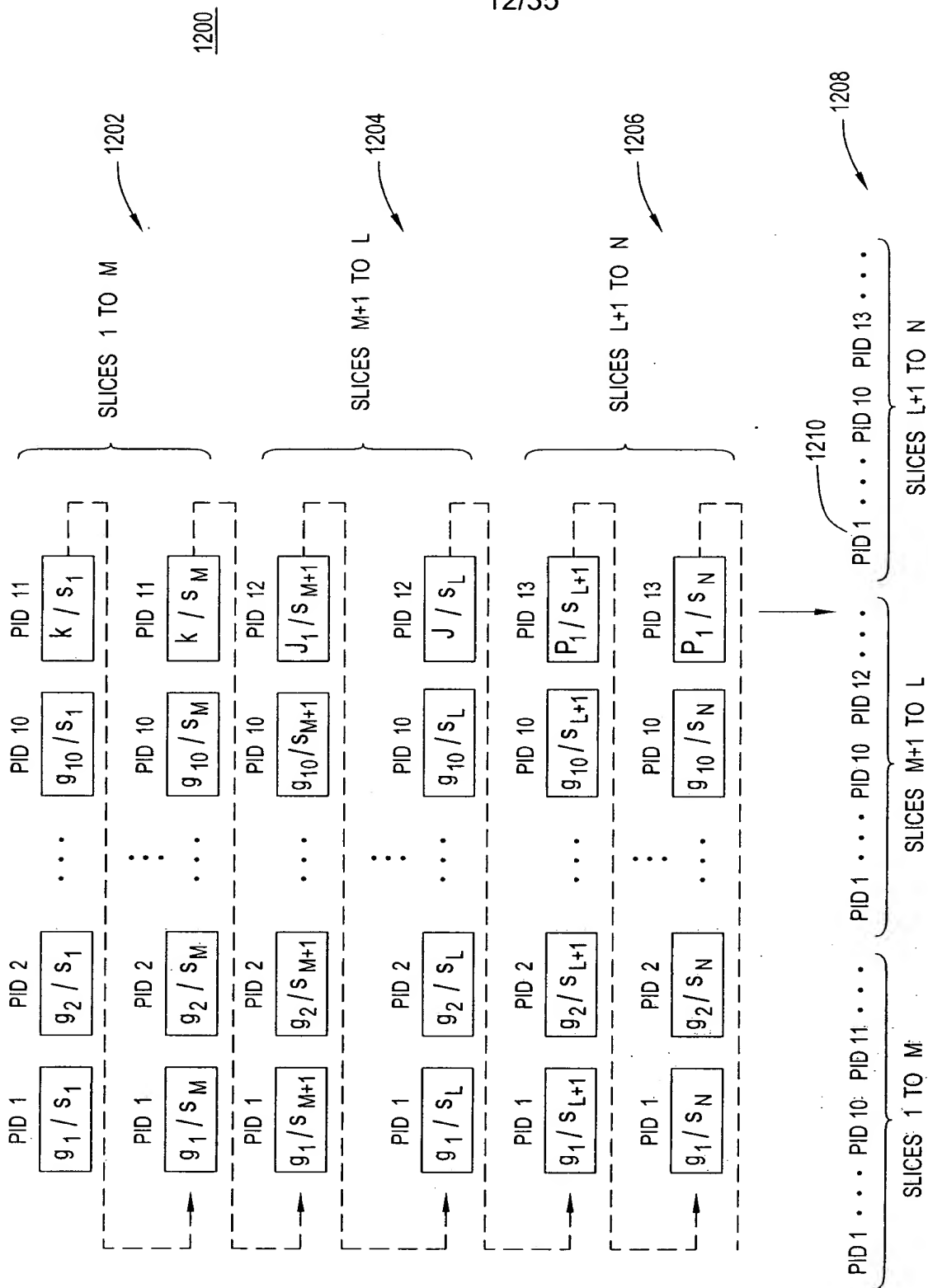


FIG. 12

13/35

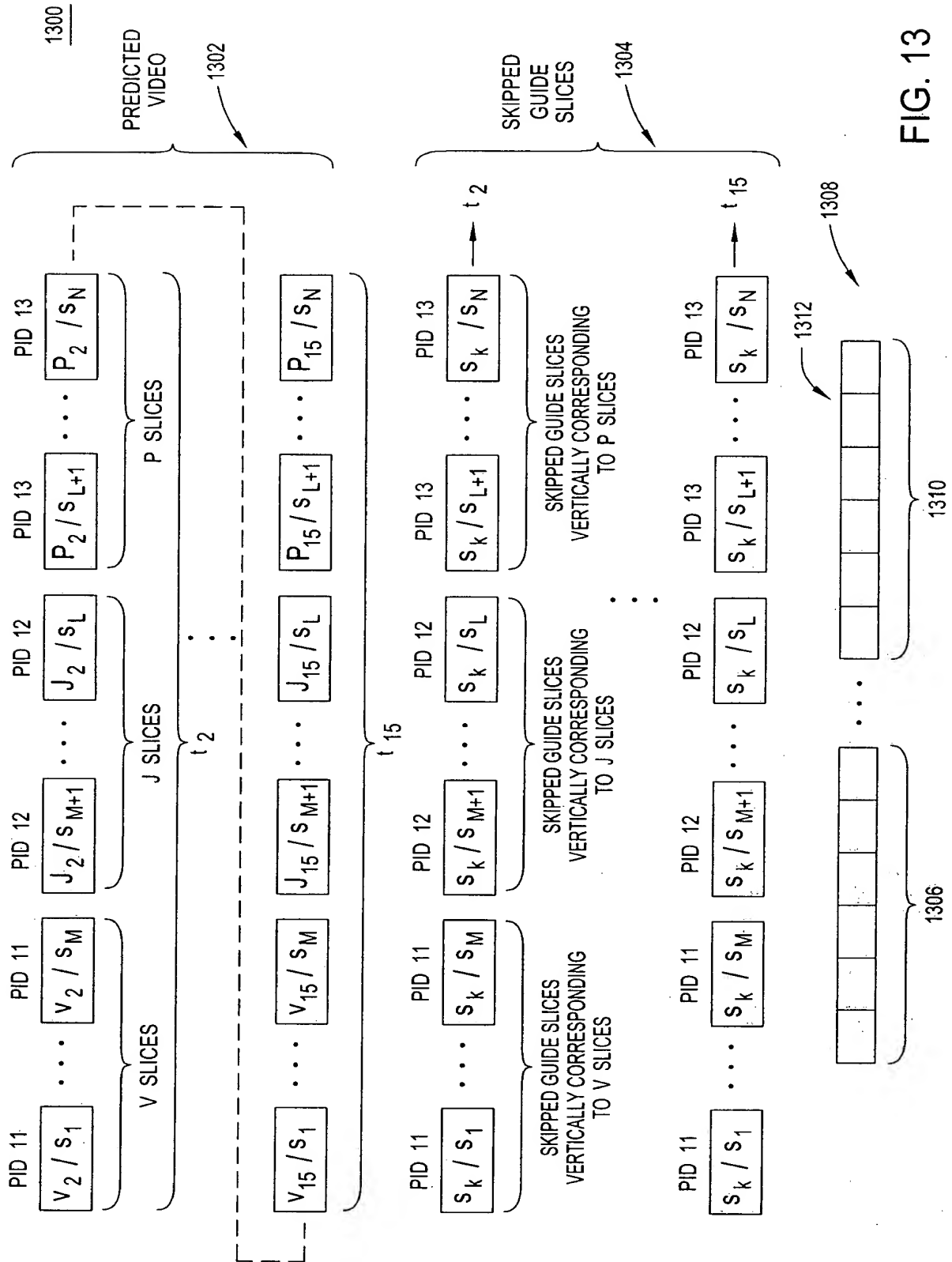


FIG. 13

14/35

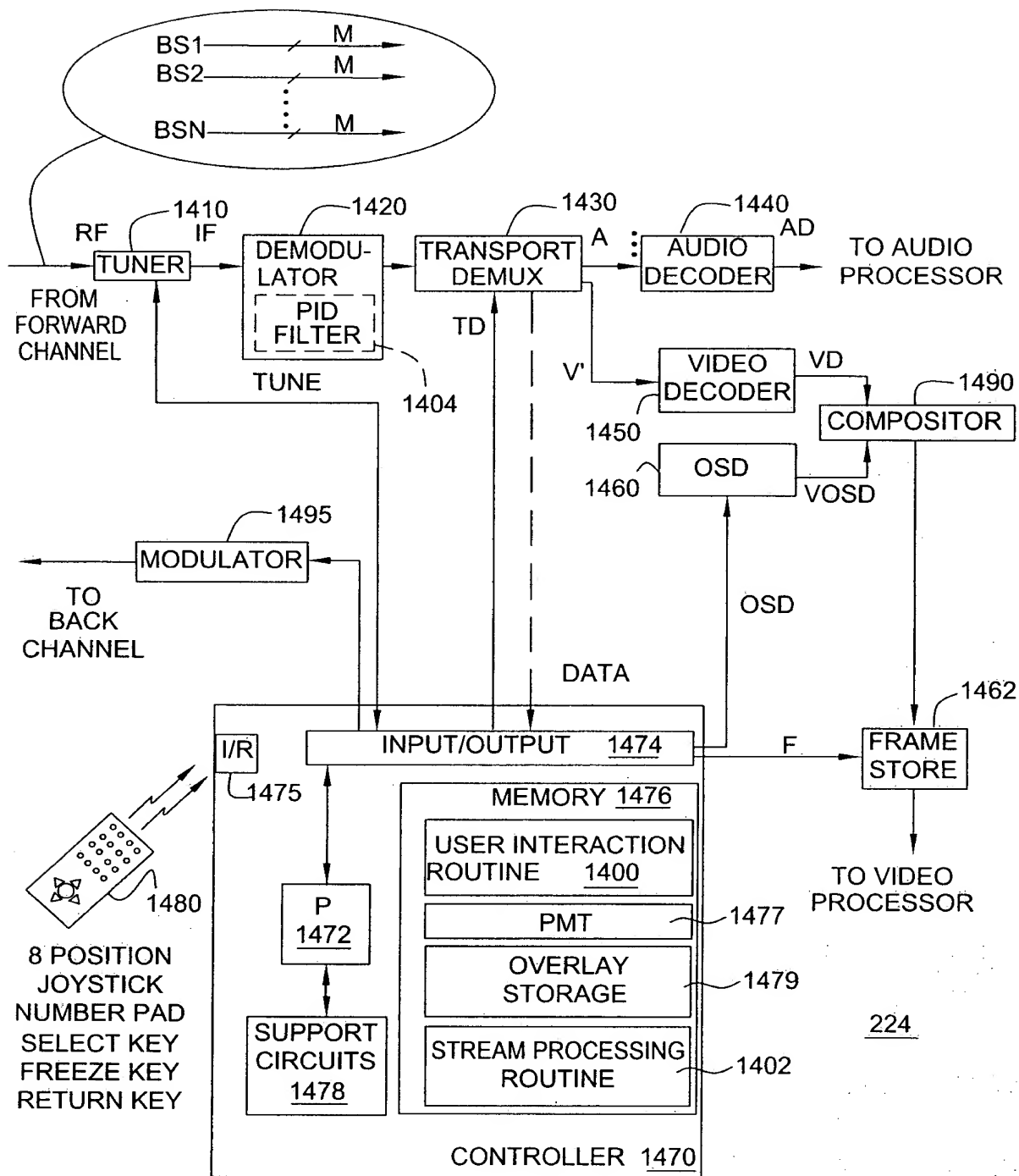


FIG. 14

15/35

1500

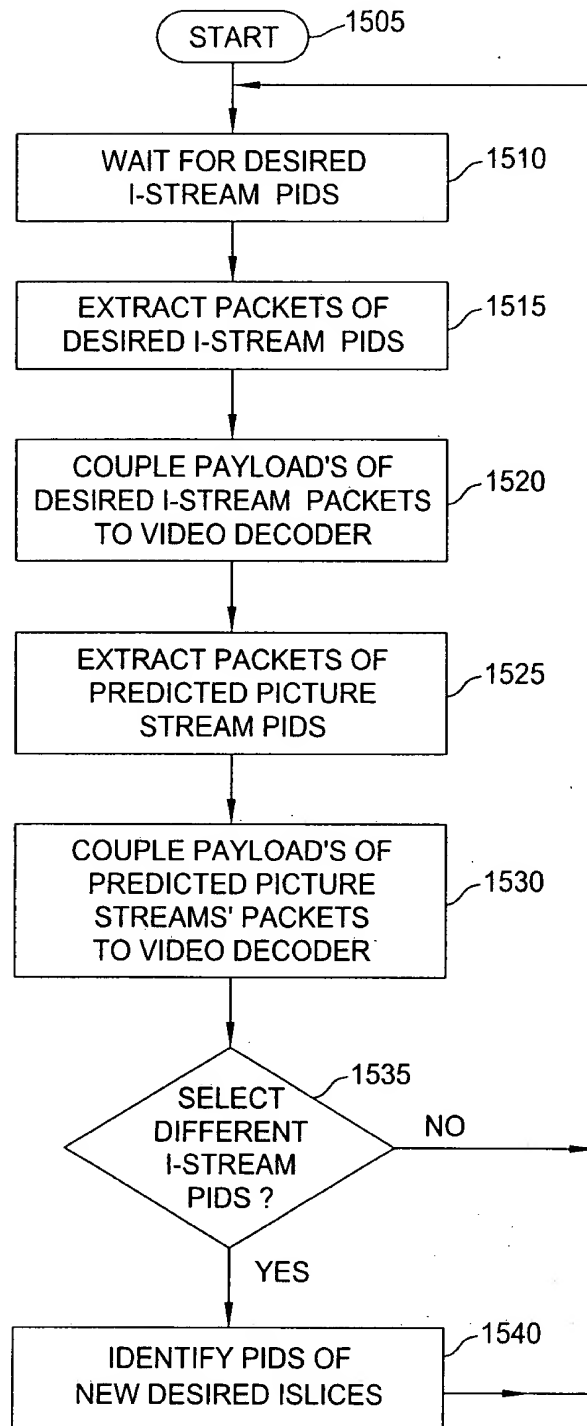


FIG. 15

16/35

1600

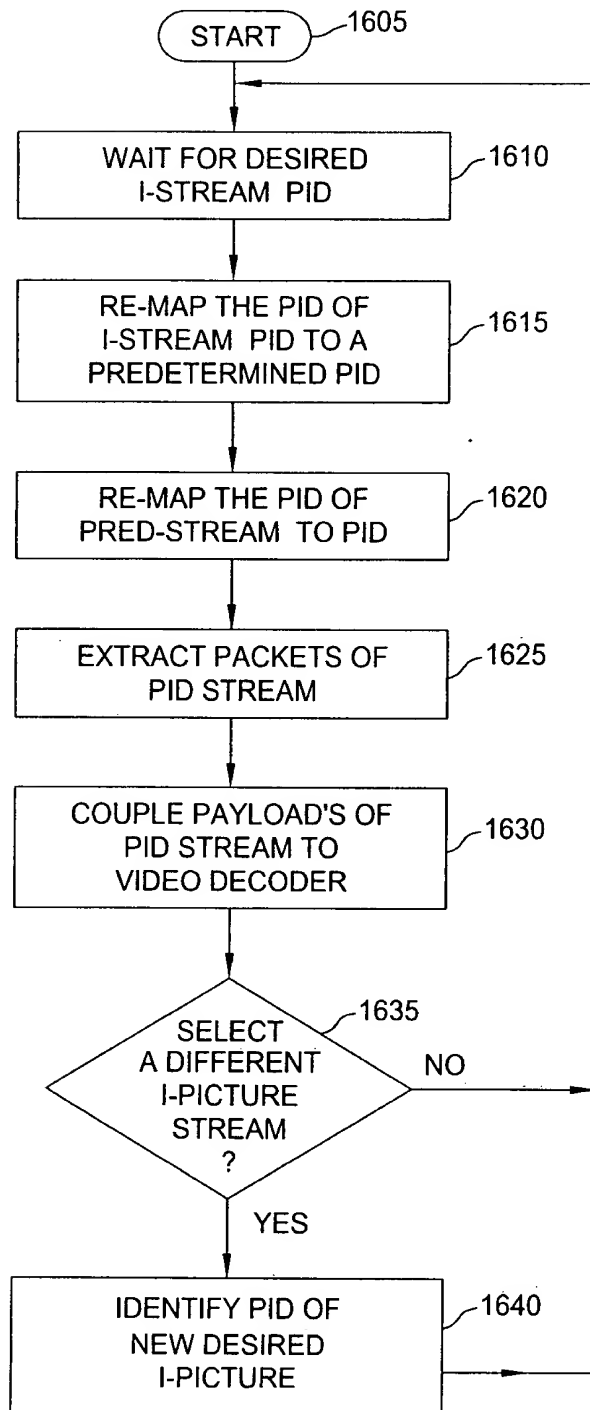


FIG. 16

17/35

1700

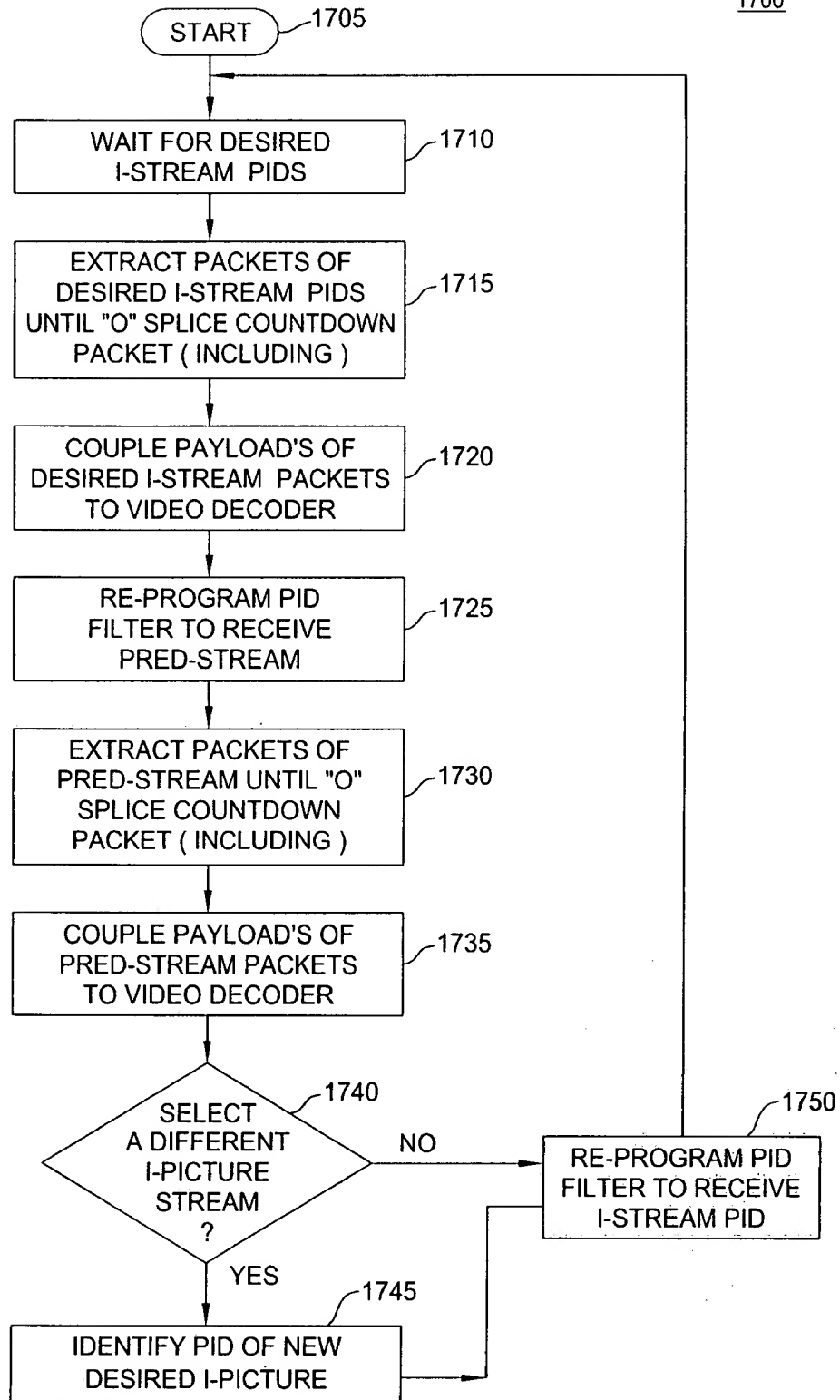


FIG. 17

18/35

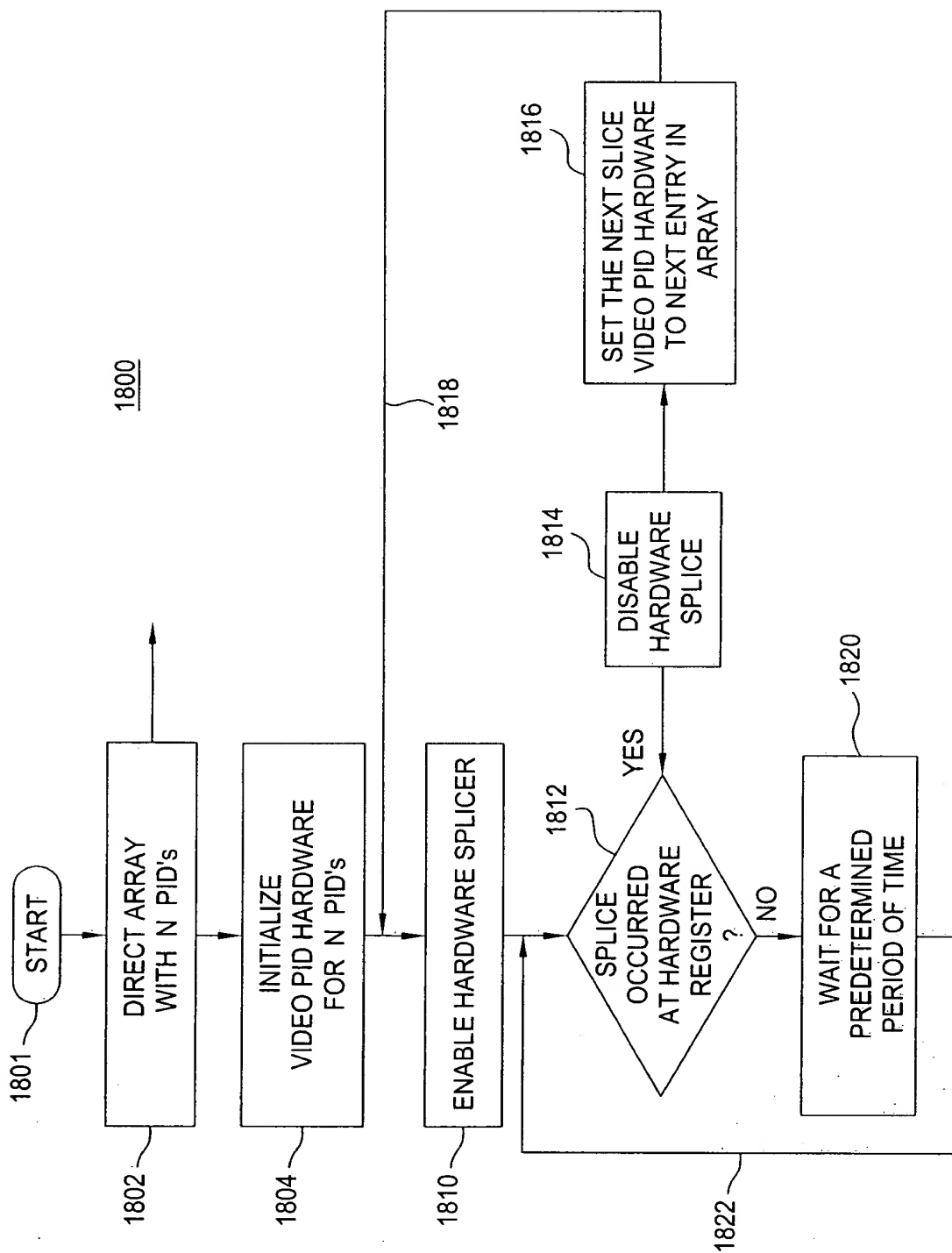


FIG. 18

19/35

time = t_1

<u>PID 1</u>	<u>PID 2</u>	<u>PID 3</u>	...	<u>PID 9</u>	<u>PID 10</u>	<u>PID 11</u>	<u>PID 12</u>	<u>PID 12</u>
g_1/s_1	g_2/s_1	g_3/s_1	...	g_9/s_1	g_{10}/s_1	V_1/s_1	M_1/s_1	K_1/s_1
g_1/s_2	g_2/s_2	g_3/s_2	...	g_9/s_2	g_{10}/s_2	V_1/s_2	M_1/s_2	K_1/s_2
g_1/s_3	g_2/s_3	g_3/s_3	...	g_9/s_3	g_{10}/s_3	V_1/s_3	M_1/s_3	K_1/s_3
\vdots	\vdots	\vdots		\vdots	\vdots	\vdots	\vdots	\vdots
\vdots	\vdots	\vdots		\vdots	\vdots	\vdots	\vdots	\vdots
g_1/s_N	g_2/s_N	g_3/s_N	...	g_9/s_N	g_{10}/s_N	V_1/s_N	M_1/s_N	K_1/s_N

1900

INTRA-CODED GUIDE AND VIDEO

FIG. 19

20/35

	2002				2003				2004				2015			
time	PID 11	PID 12	PID 13	...	PID 11	PID 12	PID 13	...	PID 11	PID 12	PID 13	...	PID 11	PID 12	PID 13	...
λ_2	V_2/s_1	M_2/s_1	K_2/s_1	V_2/s_2	M_2/s_2	K_2/s_2	V_2/s_N	M_2/s_N	K_2/s_N	V_3/s_1	M_3/s_1	K_3/s_1	V_3/s_2	M_3/s_2	K_3/s_2	V_3/s_N
λ_3	V_3/s_1	M_3/s_1	K_3/s_1	V_4/s_2	M_4/s_2	K_4/s_2	V_4/s_N	M_4/s_N	K_4/s_N	V_{15}/s_1	M_{15}/s_1	K_{15}/s_1	V_{15}/s_2	M_{15}/s_2	K_{15}/s_2	V_{15}/s_N
λ_4	V_4/s_1	M_4/s_1	K_4/s_1	V_{15}/s_2	M_{15}/s_2	K_{15}/s_2	V_{15}/s_N	M_{15}/s_N	K_{15}/s_N							
\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots							
λ_{15}	V_{15}/s_1	M_{15}/s_1	K_{15}/s_1	V_{15}/s_2	M_{15}/s_2	K_{15}/s_2	V_{15}/s_N	M_{15}/s_N	K_{15}/s_N							

2000

PREDICTED VIDEO

FIG. 20

21/35

<u>time</u>	<u>PID 11</u>	<u>PID 12</u>	<u>PID 13</u>	<u>PID 11</u>	<u>PID 12</u>	<u>PID 13</u>	<u>PID 11</u>	<u>PID 12</u>	<u>PID 13</u>
λ_2	s_k / s_1	s_k / s_1	s_k / s_1	s_k / s_2	s_k / s_2	s_k / s_2	s_k / s_N	s_k / s_N	s_k / s_N
λ_3	s_k / s_1	s_k / s_1	s_k / s_1	s_k / s_2	s_k / s_2	s_k / s_2	s_k / s_N	s_k / s_N	s_k / s_N
λ_4	s_k / s_1	s_k / s_1	s_k / s_1	s_k / s_2	s_k / s_2	s_k / s_2	s_k / s_N	s_k / s_N	s_k / s_N
\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots
λ_{15}	s_k / s_1	s_k / s_1	s_k / s_1	s_k / s_2	s_k / s_2	s_k / s_2	s_k / s_N	s_k / s_N	s_k / s_N

2100

SKIPPED GUIDE

FIG. 21

22/35

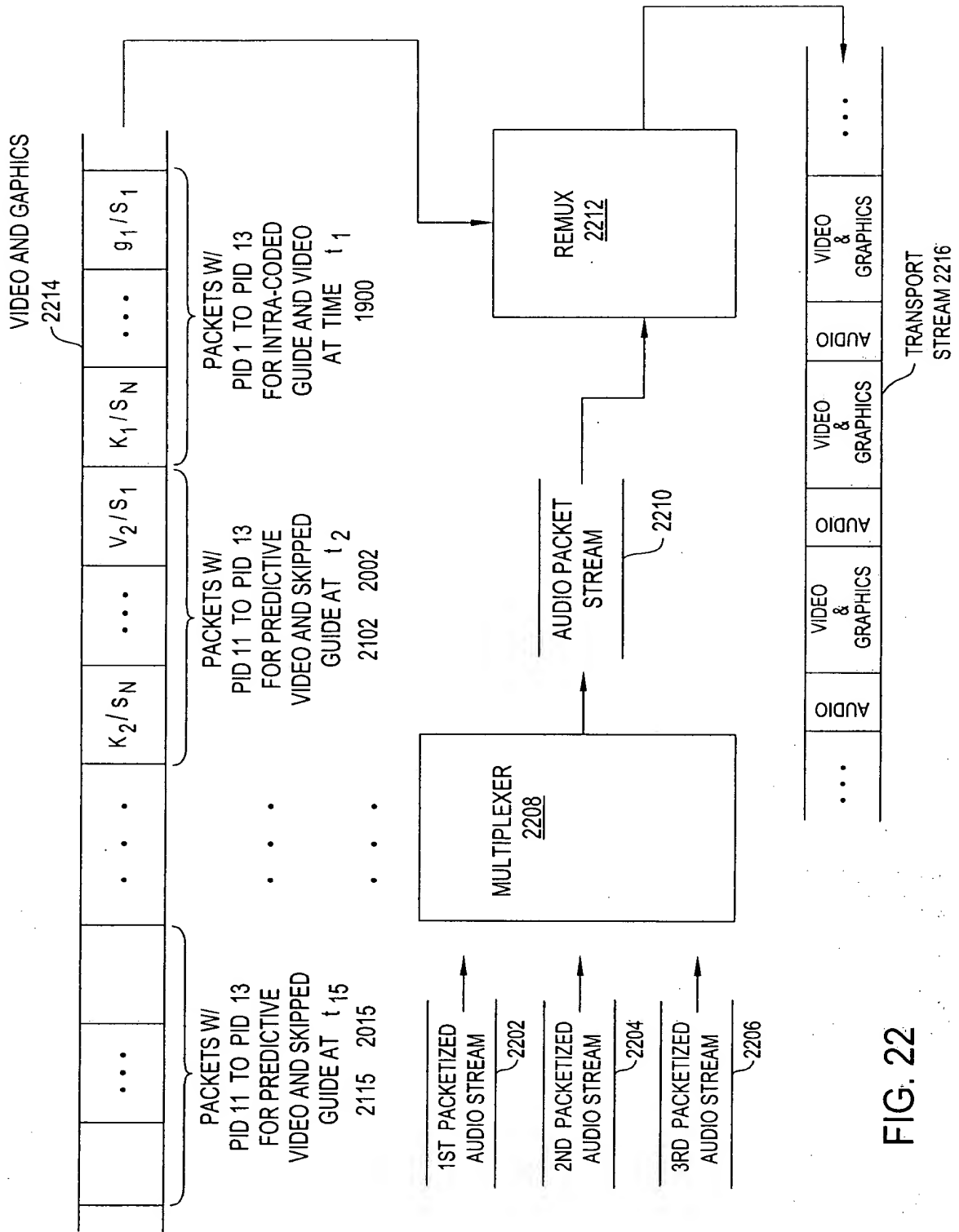


FIG. 22

$0_1/S_1$	$0_2/S_1$	$0_3/S_1$
\vdots	\vdots	\vdots
$0_1/S_N$	$0_2/S_N$	$0_3/S_N$
$0_4/S_{N+1}$	$0_5/S_{N+1}$	$0_6/S_{N+1}$
\vdots	\vdots	\vdots
$0_4/S_{2N}$	$0_5/S_{2N}$	$0_6/S_{2N}$
$0_7/S_{2N+1}$	$0_8/S_{2N+1}$	$0_9/S_{2N+1}$
\vdots	\vdots	\vdots
$0_7/S_{3N}$	$0_8/S_{3N}$	$0_9/S_{3N}$

SLICE-BASED
PARTITIONING
(b)

0_1	0_2	0_3
0_4	0_5	0_6
0_7	0_8	0_9

OBJECTS
(a)

FIG. 23

24/35

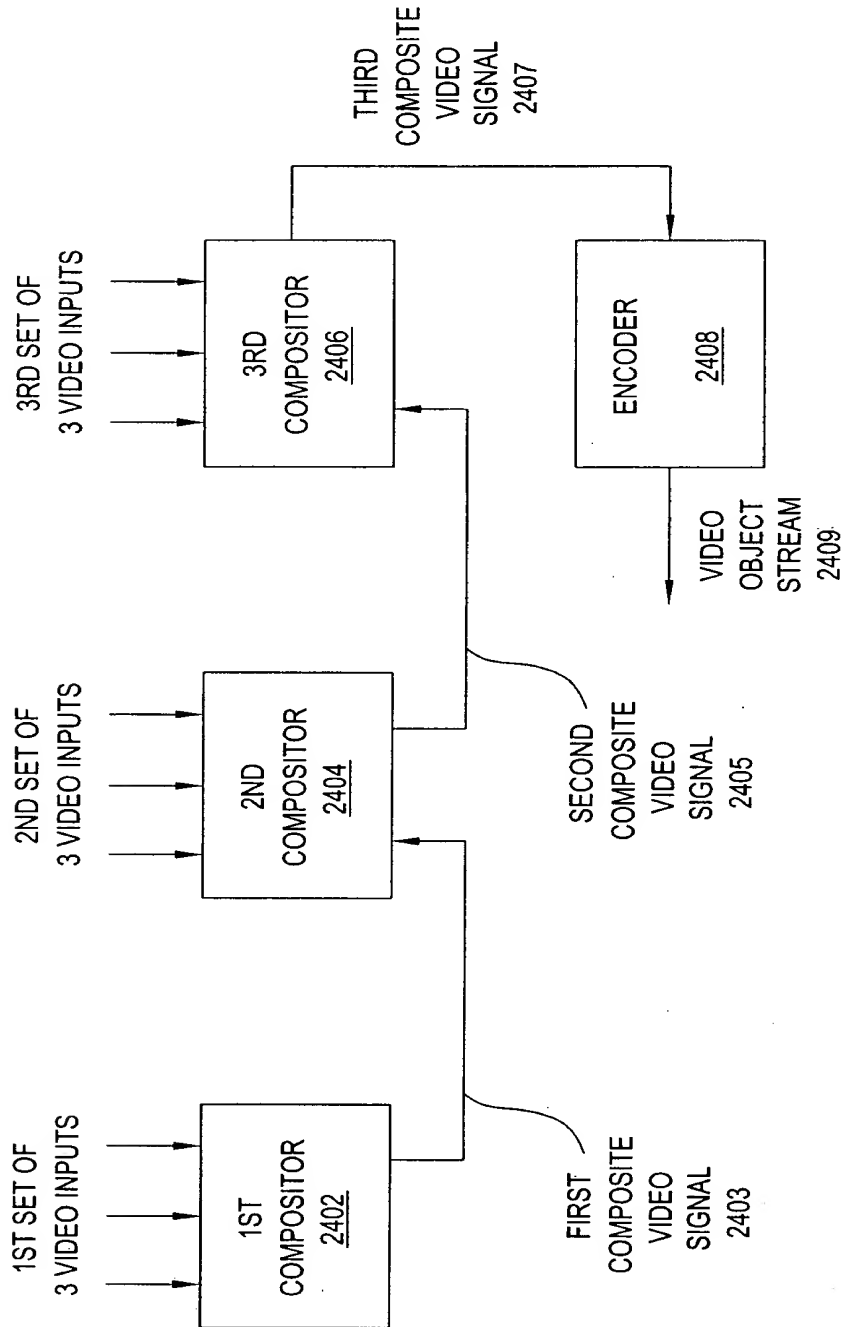


FIG. 24

25/35

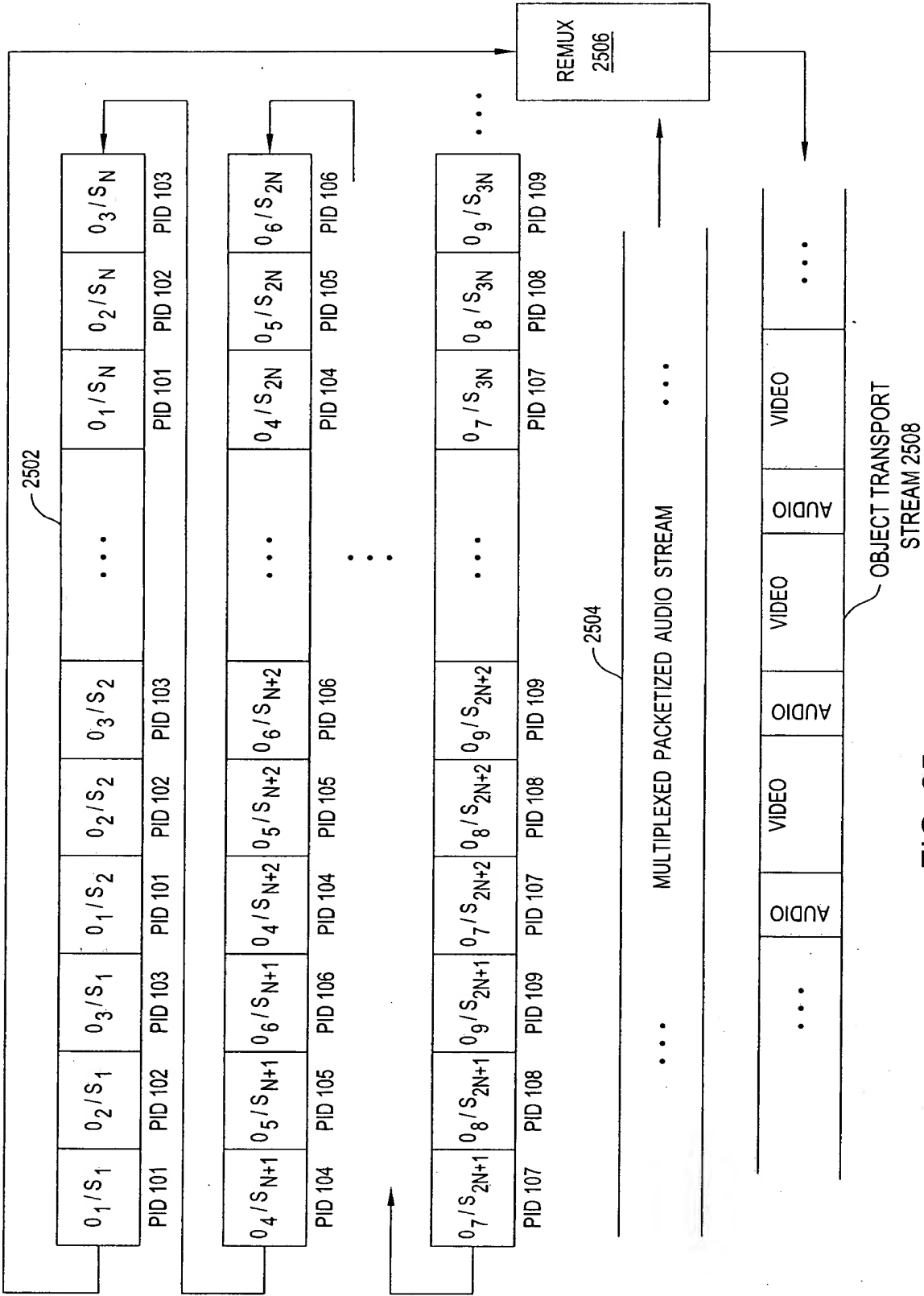


FIG. 25

26/35

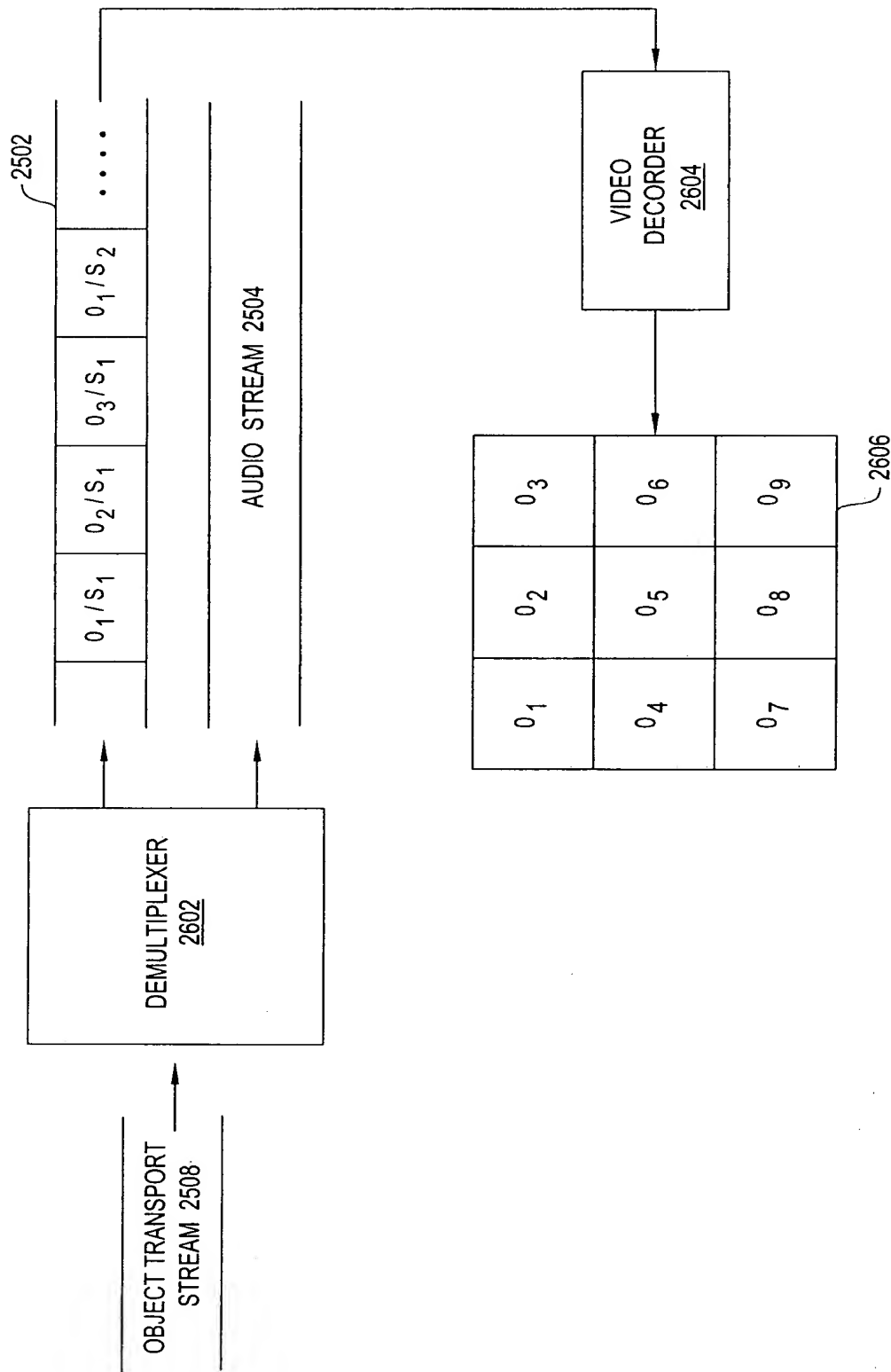


FIG. 26

27/35

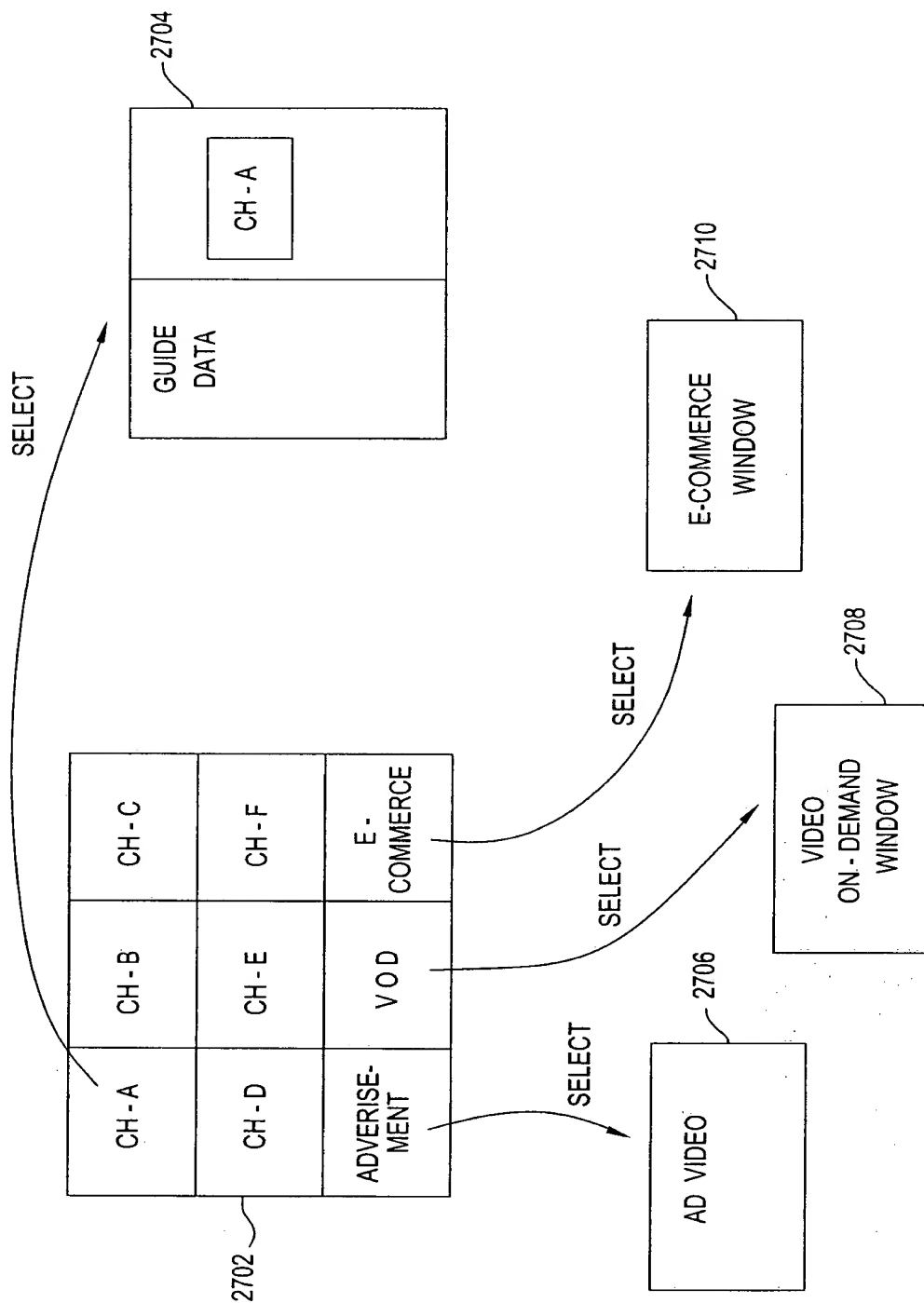


FIG. 27

28/35

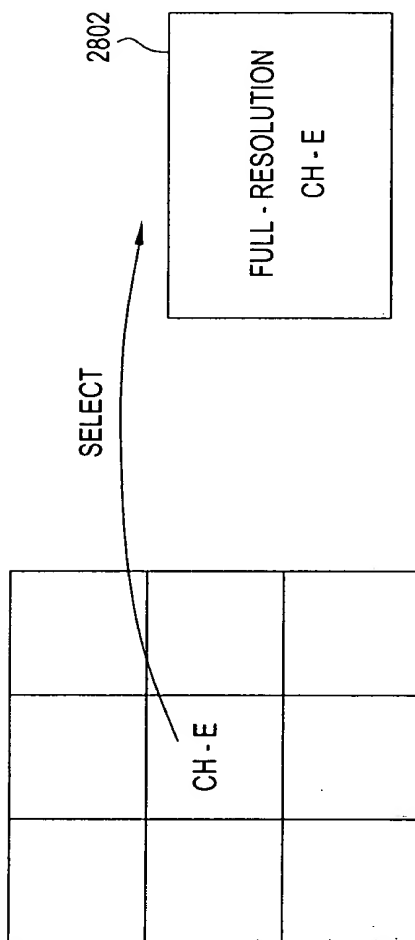


FIG. 28

29/35

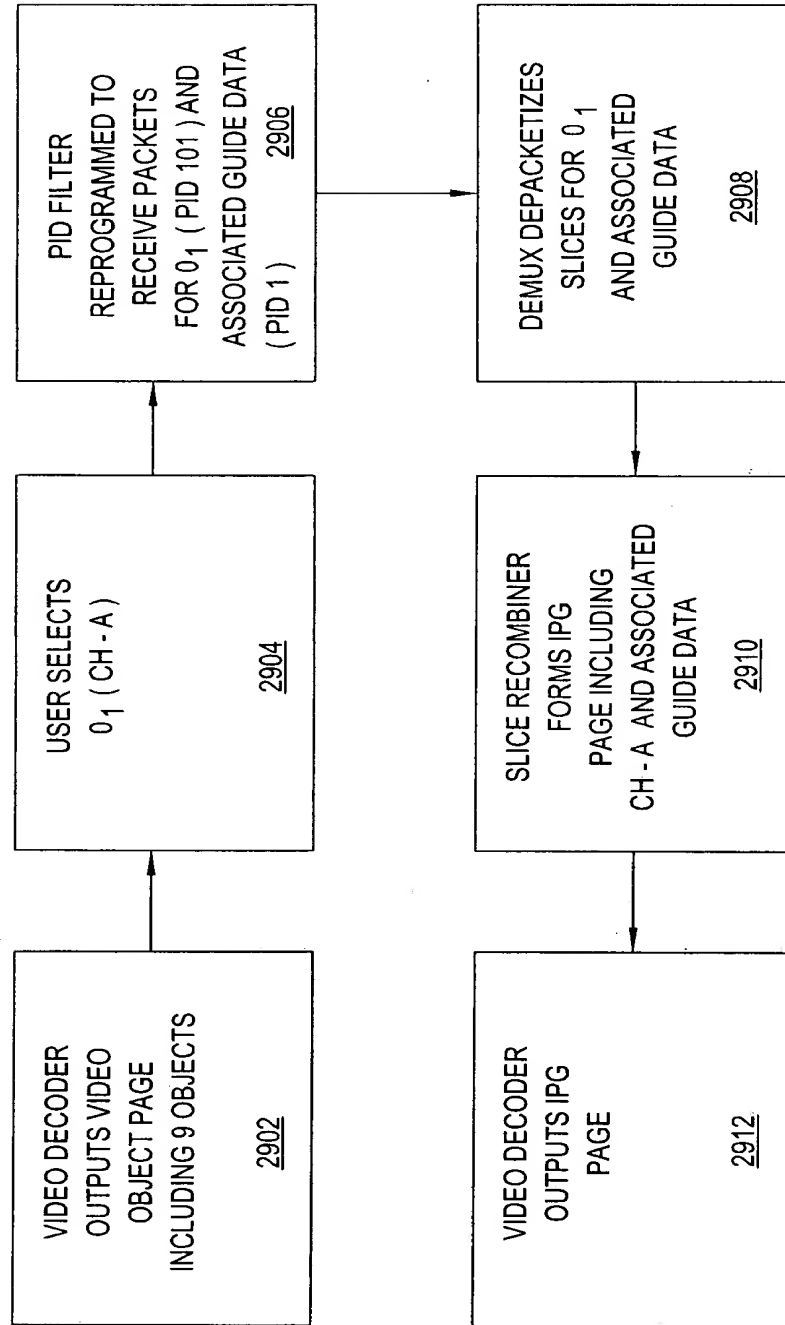


FIG. 29

30/35

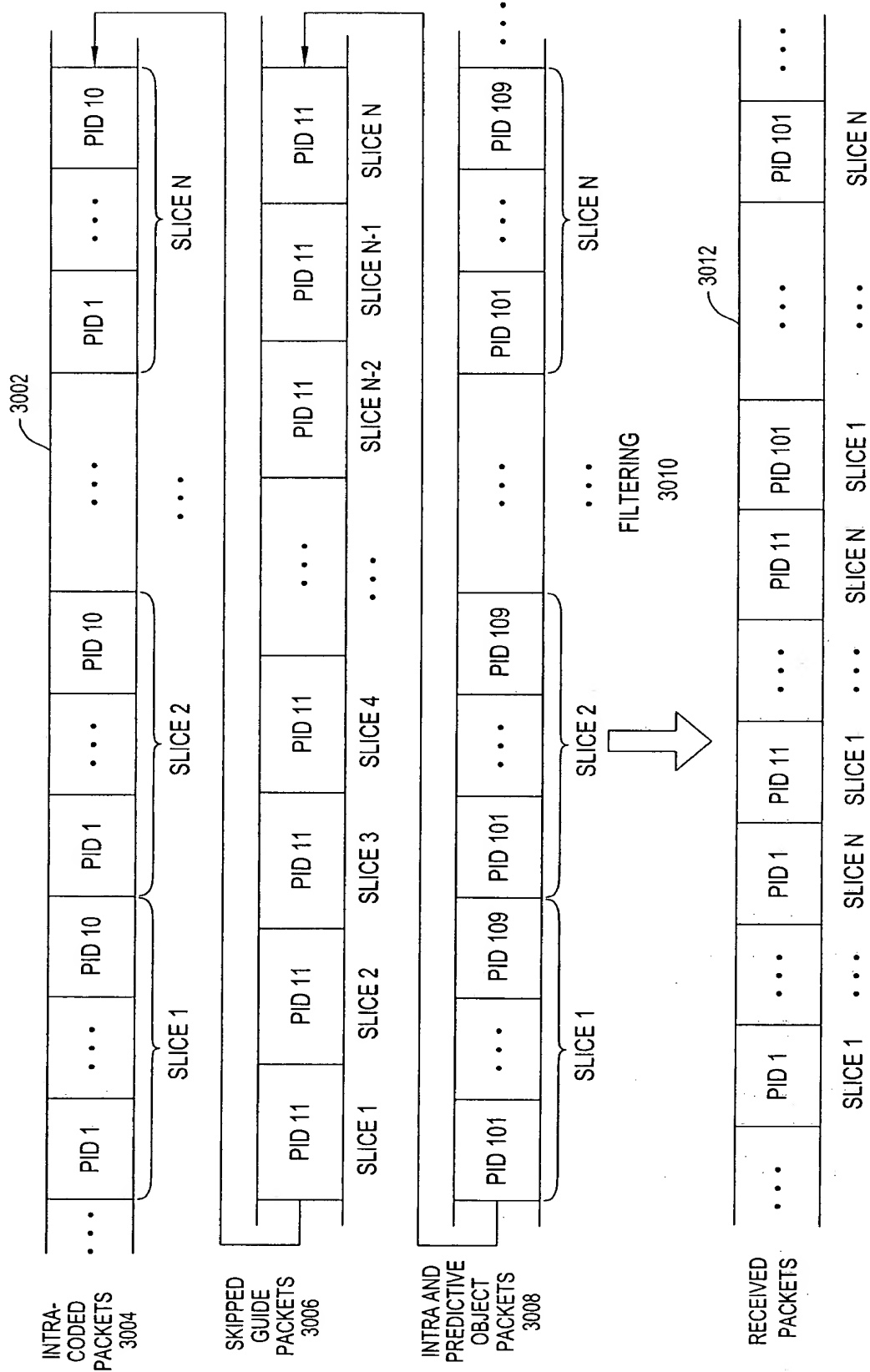


FIG. 30

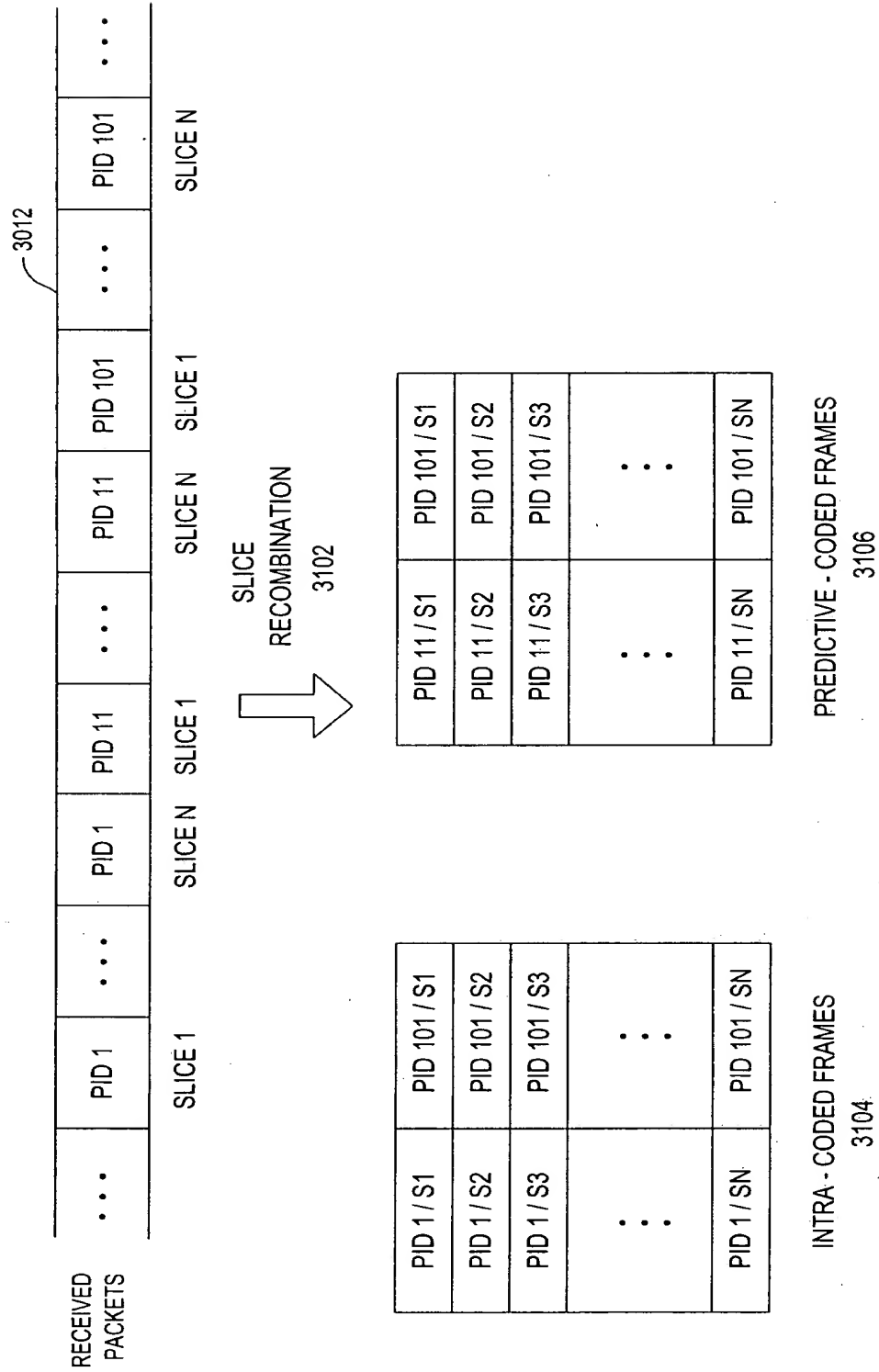


FIG. 31

32/35

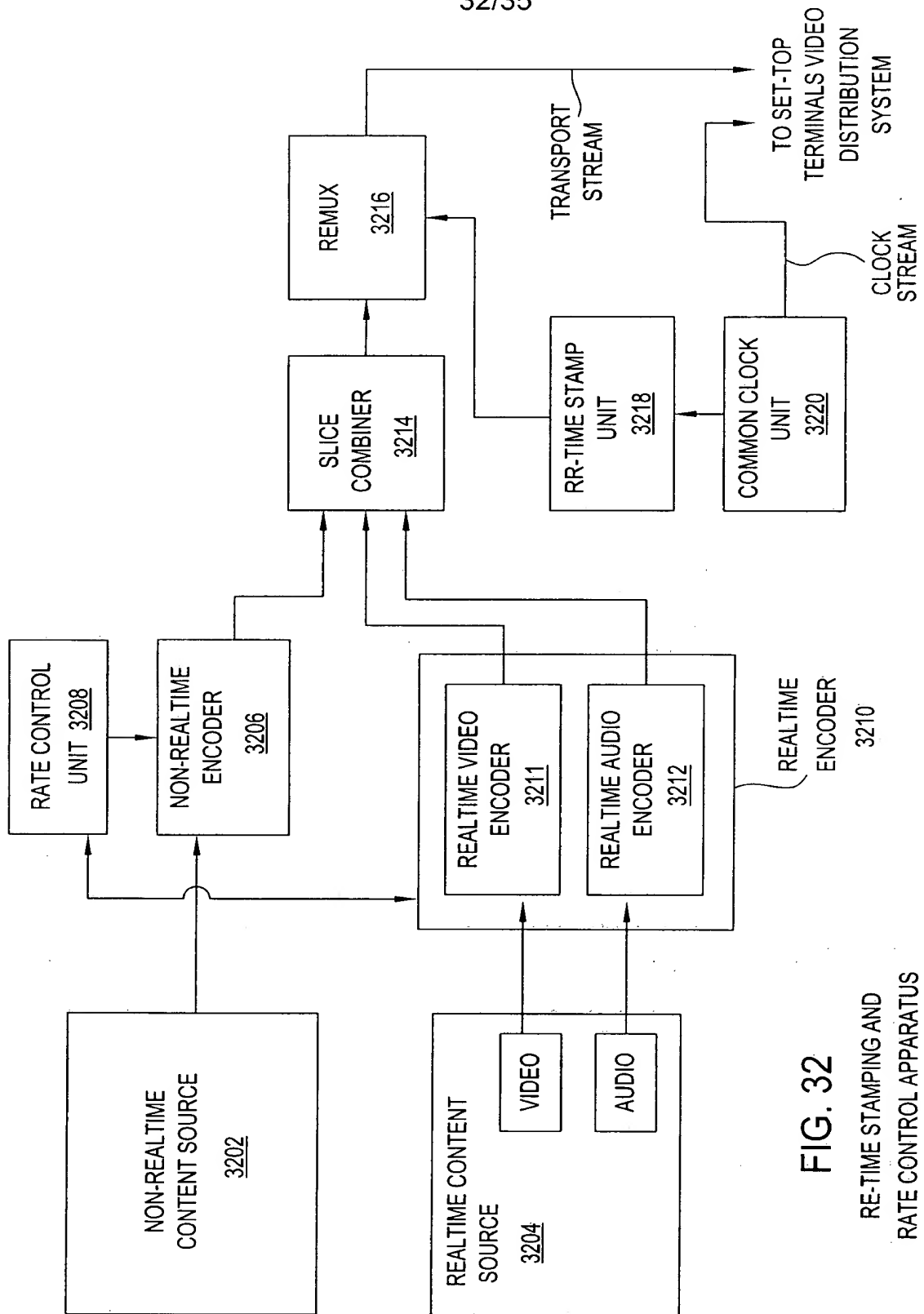
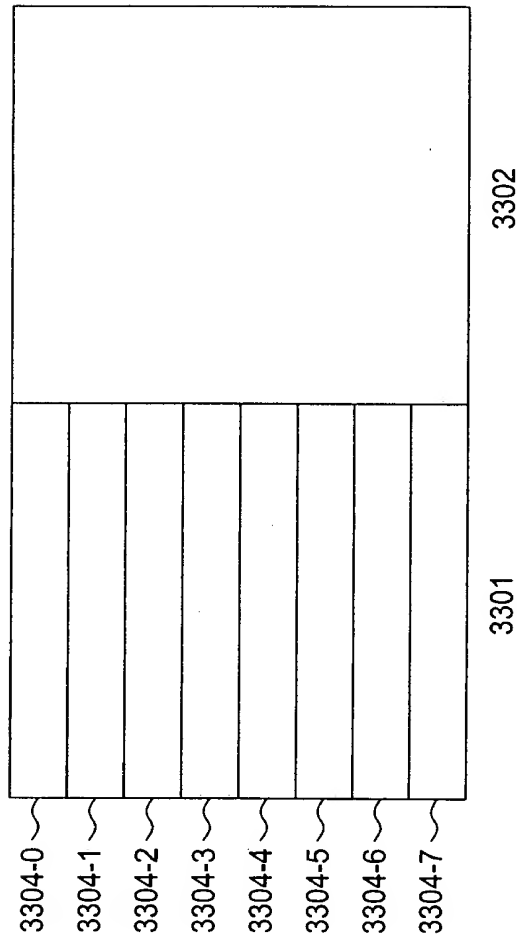


FIG. 32
RE-TIME STAMPING AND
RATE CONTROL APPARATUS

33/35



3300

FIG. 33

34/35

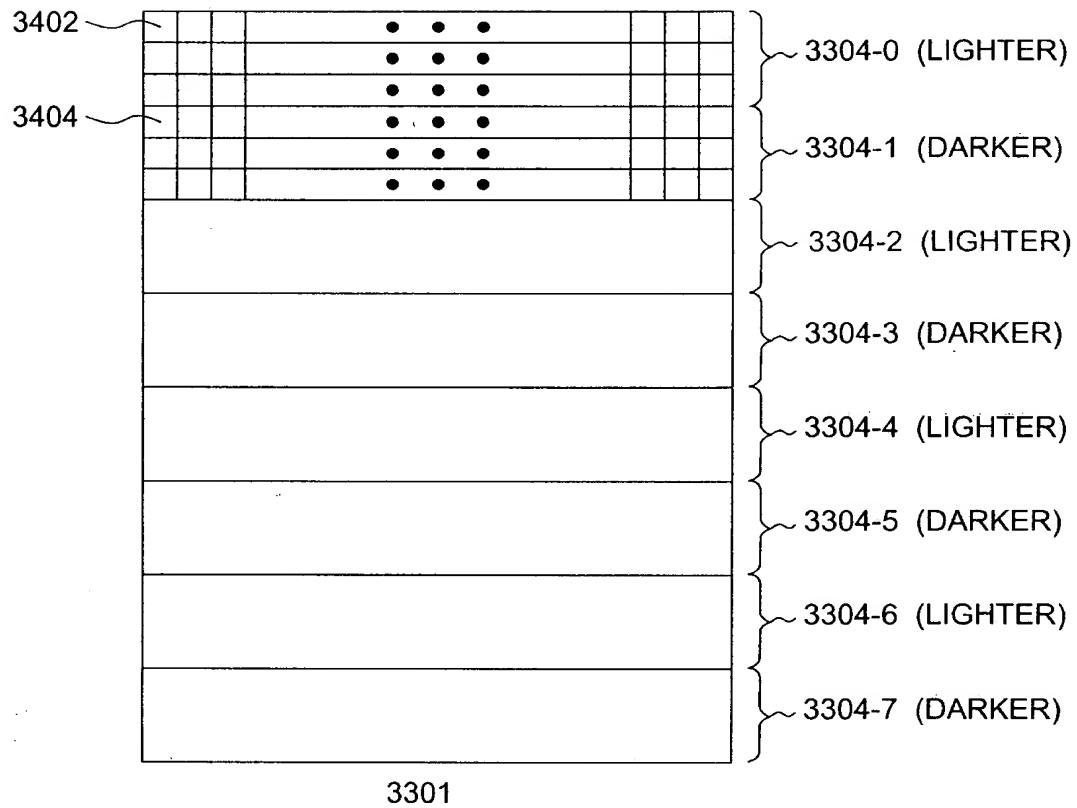
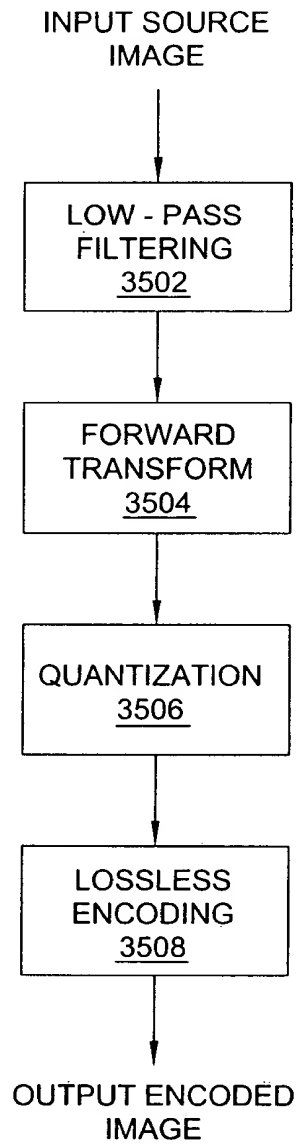


FIG. 34

35/35



3500

FIG. 35